

MAPPING LAYER 2 LAN PRIORITIES TO A VIRTUAL
LANE IN AN INFINIBAND™ NETWORK

ABSTRACT OF THE DISCLOSURE

A router is configured for sending and receiving data packets on an InfiniBand™ network. When placed between an Ethernet network and an InfiniBand™ network, the router is configured to receive an Ethernet data packet having a VLAN tag indicative of layer 2 priority data of the Ethernet packet. The router includes a mapping table having multiple entries, each entry specifying a VLAN tag and a corresponding service level. A controller is configured for parsing the VLAN tag and determining the service level for the VLAN tag. The controller outputs the Ethernet packet on the InfiniBand™ network within an InfiniBand™ packet according to the determined service level.